



# Aerospace Reports

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# Introduction

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#### WHAT STAR ANNUAL INDEXES ARE

These Annual Indexes are edited consolidations of the indexes to the individual issues of Scientific and Technical Aerospace Reports (STAR) for the calendar year 1971 (Volume 9, Numbers 1 through 24). For the convenience of the user, they are divided into four sections, each bound separately. Sections I and II contain the Subject Index. Section III contains the Personal Author Index. Section IV contains a Corporate Source Index, a Contract Number Index, a Report/Accession Number Index, and an Accession Number/Report Index. The Annual Indexes supersede the semimonthly and semiannual indexes previously issued during 1971.

Each entry in these indexes includes a group of identifying numbers in the following form: 07 p1002 N71-16987. The first two digits (07) identify the issue in which the document was announced. The "p" and the four digits that follow (1002) refer to the page number, in the designated issue, on which the abstract of the document appears. The next group of numbers (N71-16987) is the NASA Accession Number, a unique identification number assigned by NASA to each document that was acquired, indexed, and announced in STAR during the year.

In addition to these identifying numbers, each entry in the Subject Index contains a Notation of Content (a brief description of the contents of the document); each entry in the Personal Author and Corporate Source Indexes contains the exact title of the document.

At the beginning of each index in this cumulation, a typical listing is illustrated with each of its elements identified to assist the reader in using the different types of index entries.

#### HOW TO USE THE SUBJECT INDEX

Subject terms in this cumulative index are arranged alphabetically, and are supplemented with cross-references which are intended to serve as directions that will enable the user to modify, enlarge, or narrow his search in accordance with his specific interests. Two types of cross-references are used:

 Use (U) references indicate that the subject term is not "postable", i.e., not a valid term, and that the following term or terms are used instead. For example.

COLUMBIUM

U NIOBIUM

ANNULAR JETS

U ANNULAR FLOW

U JET FLOW

2. Narrower Term (NT) references refer the user to more specific headings in the same subject area, under which additional material on the subject may be found. For example:

**EMISSION** 

NT ELECTRON EMISSION NT NEUTRON EMISSION

NT THERMAL EMISSION

Finally, a searcher should use the notations of content in the index to narrow further his quest for particular items. This is because subject terms can readily refer to more than one class of document. For example:

#### CATHODES

Cesium plasma cathodes as sources of high intensity electron beams.

Cathode material testing in electrochemical half cells.

illustrates a case where two references on different topics are listed under the same subject term.

# HOW TO USE THE CORPORATE SOURCE INDEX

The corporate source index entries are abridged versions of the corporate sources used in the abstract-section citations in the individual issue supplements. The corporate source supplementary (organizational component) does not appear in the index. For example:

NEW MEXICO STATE UNIV. LAS CRUCES. DEPARTMENT OF BIOLOGY.

(Corporate source at citation)

NEW MEXICO STATE UNIV. LAS CRUCES.

(Corporate source index entry)

### HOW TO USE THE PERSONAL AUTHOR INDEX

All personal authors identified in the abstract-section citations in the individual STAR issues appear in this index. Differences in transliteration schemes may require multiple searching of the index for variants of an author's name. For example:

EMELIANOV, M. D.
YEMELYANOV, M. D.

# HOW TO USE THE CONTRACT NUMBER INDEX

All contract numbers that are identified in the abstract-section citations in the individual STAR issues appear in this index. Changes by agencies in the style in which contract numbers are presented may require multiple searching for variants.

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#### A COMPREHENSIVE INFORMATION SERVICE

The National Aeronautics and Space Administration makes the results of worldwide research and development activities in aeronautics, space, and supporting disciplines promptly available to participants in its programs. NASA's scientific and technical information system now contains nearly a million documents, which are abstracted, indexed, and obtainable through retrieval and dissemination services. These services, which include the abstract journal, Scientific and Technical Aerospace Reports (STAR), are described fully in a bulletin, The NASA Scientific and Technical Information System . . . and How to Use It, available at no charge from the NASA Scientific and Technical Information Facility, P.O. Box 33, College Park, Maryland 20740.

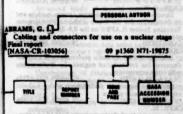
### AVAILABILITY OF DOCUMENTS

Information concerning the availability of documents announced in the STAR issues covered in this index is found in the Introduction to the most currently issued semi-monthly issue.

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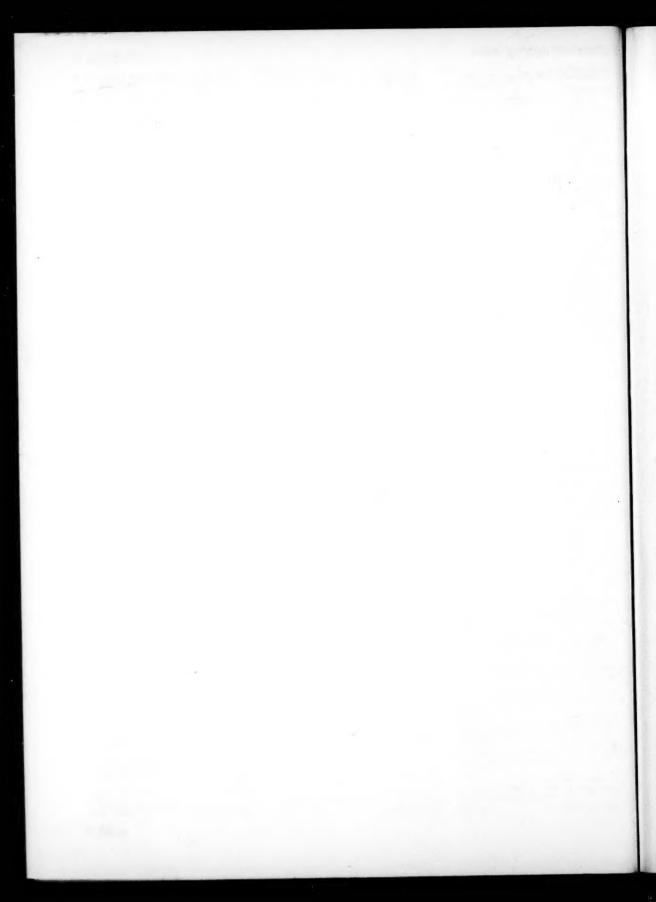
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